



# Environmental Leader Facility Crompton Manufacturing Company, Inc. Geismar, LA



Crompton Manufacturing Company, Inc., formerly Uniroyal Chemical Company, Inc., is a division of Crompton Corporation and has been in operation in Geismar, Louisiana since 1962. The company is a major producer of synthetic rubber primarily used in automobiles, hoses, roofing, wire and cable. The company also produces agricultural chemicals and a variety of specialty rubber chemicals used as processing aids and antioxidants for the rubber and plastics processing industry. These specialty chemicals extend the life of finished rubber and plastic consumer goods by protecting them from exposure to the sun and adverse weather conditions. The facility receives the majority of its raw materials through pipelines thereby considerably reducing the truck and rail traffic through the community.

## Pollution Prevention Highlights

- \*1995-2000 – Reduced Rubber Gel hazardous waste by 515,000 pounds per year and three TRI chemicals by 84,000 pounds per year by implementing a series of process changes based on research to better understand the process reaction mechanism involved.
- 1998-1999 – Scrap Materials reduced 173,214 pounds per year to the solid waste landfill.
- \*1998-1999 – Initiated an *Inter-Company* Cooperative Pollution Prevention project for the recovery and reuse of a 773,000 pounds of material previously transferred offsite as hazardous waste.
- \*1997 – Implemented a high temperature distillation column project to reduce 380,000 pounds per year of hazardous waste generation and 124,000 pounds per year of TRI emissions.
- 1995-1999 – Made process and procedure modifications to reduce 825,000 pounds per year of hazardous waste and improve production yield.
- 1995-1999 – Reduced TRI emissions by 878,000 pounds per year.
- \*1991-1993 – Toluene/Methanol Recovery and Recycle Project reduced air emissions by 4.9 million pounds per year.
- 1990-1995 – Reduced TRI emissions by 11.4 million pounds per year.

\* Winner of the Louisiana Governor's Award

## Pollution Prevention Goals

WASTE STREAM	BASELINE YEAR	CURRENT YEAR QUANTITY	TARGET YEAR QUANTITY	COMMENTS
Polymer-Cement Waste (pounds)	1998 187,000	2000 83,270	2000 74,000	Hazardous Waste Source Reduction
High Boiling Tars (pounds)	1997 3,509,000	2000 3,039,860	2000 3,155,000	MBT Recovery & Recycle
Toluene Tars (pounds)	1999 3,200,000	2001 ( May YTD) 1,019,660	2002 2,200,000	DPA Recovery & Recycle
Parts Washer Solvent (pounds)	1999 11,239	2001 (May YTD) 0	2001 0	Solvent Continual Reuse Program
Scrap Material (pounds)	2000 5,760,000	2001 (May YTD) 1,445,620	2001 2,880,000	Solid Waste Recovery & Recycle

### Leadership Program Contact:

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